

Title (en)

Quantity-metering depositor for flowable media.

Title (de)

Dosierende Ausgabevorrichtung für fließfähige Medien.

Title (fr)

Débitmètre pour la disposition de matières pouvant couler.

Publication

**EP 0090640 A1 19831005 (EN)**

Application

**EP 83301755 A 19830329**

Priority

US 36290682 A 19820329

Abstract (en)

[origin: US4503995A] A positive-displacement volumetric metering depositor particularly but not exclusively useful in food production equipment has a continuously-rotating cylinder with a diametrically-disposed metering piston or plunger having the general form of an elongated, relatively narrow rectangular geometric solid of a desired height which moves cyclically across the diametral cylinder passage during its rotation to receive a measured volume of media at the top of cylinder rotation and discharge such volume at the bottom of cylinder rotation. Cams and cam followers control such cyclic piston movement, and are adjustable to vary the volume of the measured charge by changing the relative positions of a pair of complementary component piston parts together defining the composite metering piston. The ejected volumetric charges of media enter a common discharge area and are forced downwardly through a series of mutually distinct shaping die orifices, at which incrementally-advancing media may be sheared transversely to the die orifice to form a succession of identical discrete quantities.

IPC 1-7

**A21C 5/04**

IPC 8 full level

**A23G 3/02** (2006.01); **A21C 5/04** (2006.01); **A21C 11/16** (2006.01)

CPC (source: EP US)

**A21C 5/04** (2013.01 - EP US)

Citation (search report)

- US 4201529 A 19800506 - ATWOOD HAROLD T [US]
- DE 3116454 A1 19820121 - AMF INC [US]
- DE 449926 C 19270923 - HAAGEN & RINAU
- FR 2388499 A1 19781124 - PAVAILLER CONST METAL ENTRE [FR]
- FR 2242838 A5 19750328 - TALLERES BALART SA [ES]
- GB 354203 A 19310804 - JAMES GARVEY
- DE 2310104 A1 19740905 - ROTTNER HEINZ
- US 4212609 A 19800715 - FAY RUDOLPH J [US]

Cited by

US6767841B2

Designated contracting state (EPC)

DE GB IT NL

DOCDB simple family (publication)

**EP 0090640 A1 19831005**; JP S58179431 A 19831020; US 4503995 A 19850312

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**EP 83301755 A 19830329**; JP 5342183 A 19830329; US 36290682 A 19820329